



Operation Number: **SU-L1009**
Year- PMR Cycle: **Second period Jan-Dec 2015**
Last Update: **3/31/2016**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **04/12/2016**
Division Chief validation date: **04/13/2016**
Country Representative validation date: **04/27/2016**

Inter-American Development Bank - IDB
Office of Strategic Planning and Development Effectiveness

Operation Profile

Basic Data

Operation name:	Support to Improve Sustainability of the Electricity Service	Loan Number:	3059/OC-SU
Executing Agency (EA):	ENERGIEBEDRIJ VEN SURINAME		
Team Leader:	Echeverría Echeverría,Carlos Bladimir	Sector/Subsector:	EN
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	SURINAME
Borrower:	REPUBLIC OF SURINAME	Convergence related Operation(s):	

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
SU-L1009	\$30,000,000.00	\$30,000,000.00	\$0.00	\$0.00	\$30,000,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
SU-L1009	\$30,000,000.00	\$17,226,754.71	57.42%	\$12,773,245.29

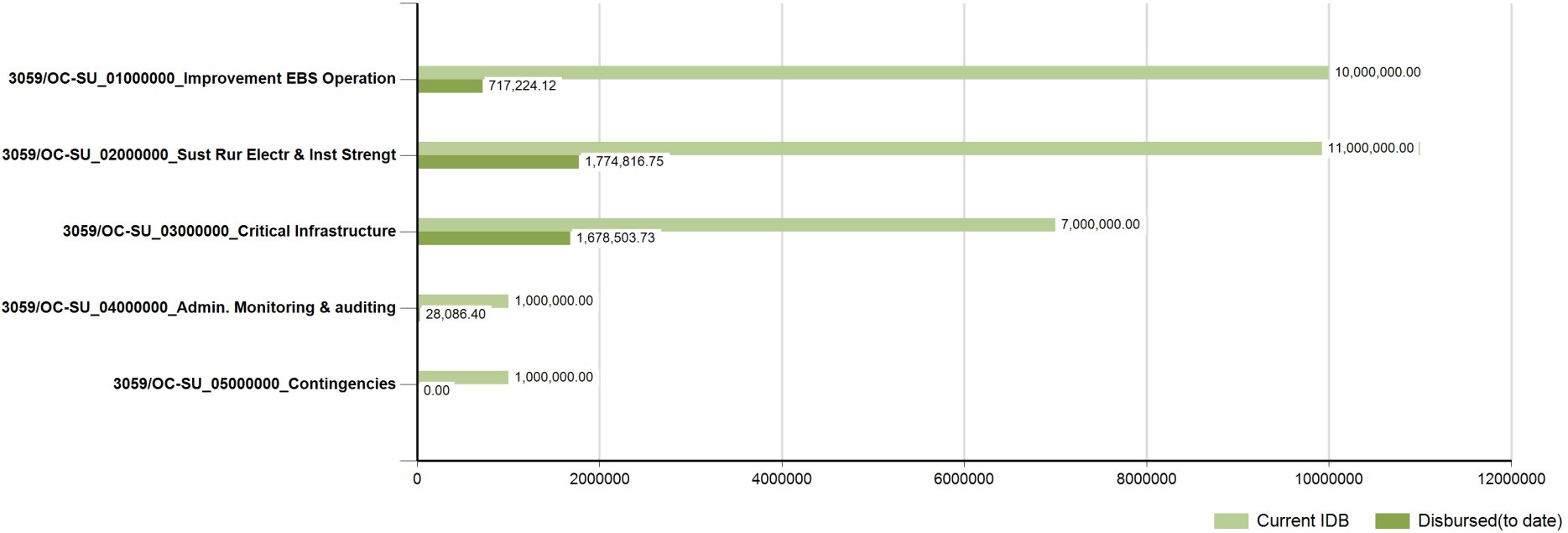
Environmental and Social Safeguards

Main Operation	
Impacts Category:	C
Safeguard Performance Rating:	
Safeguard Performance Rating - Rationale:	

Reformulation Information

Main Operation	
Was/Were the objective(s) of this operation reformulated?	NO
Date of approval:	

Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

Impact:	1 Increase in electrification coverage								
Observation:	Based on Country Strategy 2011-2015								
Indicators		Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
1.1 Percentage of the population with access to electricity.			Percentage	85.00	2013	Sector statistics		P	90.00
								P(a)	90.00
								A	85.00
Impact:	2 Improvements in the sustainability of rural electrification supply								
Observation:	Based on Country Strategy 2011-2015								
Indicators		Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
2.1 Percentage of cost recovery for electricity supply in interior locations			Percentage	0.00	2013	Sector statistics		P	30.00
								P(a)	30.00
								A	0.00

RF - RF Indicator SI - Sector Indicator CI - Country Indicator PG - Pro-Gender PE - Pro-Ethnicity

Outcomes

Outcome:	1 Strengthening in EBS's operational procedures and corporate performance							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
1.1 Operational GIS and SCADA systems in use by EBS ☐ business units		System	0.00	2013	Field visits and EBS technical reports		P	2.00
	P(a)						2.00	
	A						0.00	
Outcome:	2 Rural areas with access to secured and sustainable energy supply							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
2.1 Annual electricity sales by EBS in the targeted rural electrification areas (Powakka)		MWh/yr	521.00	2013	Aggregated metering data; project reports; final evaluation	Based on estimates provided by EBS	P	4,852.00
	P(a)						4,852.00	
	A						521.00	
2.2 Annual electricity sales by EBS in the targeted rural electrification areas (Atjoni)		MWh/yr	750.00	2013	Aggregated metering data; project reports; final evaluation	Based on estimates provided by EBS	P	1,500.00
	P(a)						1,500.00	
	A						750.00	

Outcome:	3 A more reliable energy supply system							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
3.2 System Average Interruption Duration Index (SAIDI)		Index	17.50	2013	EPAR operator (EBS) data and reports		P	16.20
							P(a)	16.20
							A	17.50

 RF - RF Indicator

 SI - Sector Indicator

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Component 1. Improvement of EBS' Operations		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Integrated SCADA system designed	System	P	1.00	1.00	P	880,000.00	1,423,388.00
		P(a)	1.00	1.00	P(a)	1,732,140.00	1,852,500.00
		A	0.00	0.00	A	0.00	0.00
Integrated SCADA system procured and implemented	System	P		1.00	P	1,462,983.60	4,876,612.00
		P(a)		1.00	P(a)		4,447,500.00
		A	0.00	0.00	A	0.00	0.00
Enterprise Resource Planning (ERP) system designed and specified	System	P	1.00	1.00	P	300,000.00	500,000.00
		P(a)	1.00	1.00	P(a)	25,000.00	164,745.69
		A	1.00	1.00	A	26,606.97	72,281.69
Geographical Information System (GIS) designed	System	P	1.00	1.00	P	180,000.00	450,000.00
		P(a)		0.00	P(a)	70,000.00	120,852.22
		A	1.00	1.00	A	164,512.13	215,364.35
Geographical Information System (GIS) procured and implemented	System	P		1.00	P	820,000.00	2,750,000.00
		P(a)		1.00	P(a)	1,082,807.09	3,414,402.09
		A	0.00	0.00	A	350,424.64	865,960.89
Component II. Sustainable Rural Electrification and Institutional Strengthening.		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Substation Paranam (S/S P) upgraded	Substation	P	1.00	1.00	P	1,501,500.00	2,145,000.00
		P(a)	1.00	1.00	P(a)	1,624,374.00	1,843,799.96
		A	0.00	0.00	A	1,550,968.48	1,550,968.48
Substation Powakka (S/S POW) procured and implemented	Substation	P	1.00	1.00	P	1,870,050.00	2,671,500.00
		P(a)		0.00	P(a)	1,870,050.00	3,121,436.70
		A	1.00	1.00	A	2,087,325.23	2,250,700.93
Transmission and distribution systems in target area Powakka-Ayo-Redi Doti-Casipoera procured and installed	System	P	1.00	1.00	P	1,688,957.20	2,412,796.00
		P(a)		1.00	P(a)	1,688,957.20	2,383,671.59
		A	0.00	0.00	A	659,879.34	659,879.34
Households in target area (Powakka) contracting 24/h electricity from EBS using prepaid meters	Household	P	928.00	1,797.00	P	237,204.00	237,204.00
		P(a)	0.00	1,797.00	P(a)		450,000.00
		A	0.00	0.00	A	0.00	0.00
Power Station Atjoni (P/S Atjoni) habilitated for hybdrd power supply by EBS	Power Station	P		1.00	P	238,000.00	378,500.00
		P(a)		1.00	P(a)	238,000.00	696,144.75
		A	0.00	0.00	A	383,716.14	383,716.14
RET-based generating capacity systems procured and installed in Atjoni (kW)	kW	P		500.00	P	820,000.00	2,620,000.00
		P(a)	0.00	500.00	P(a)	820,000.00	2,429,947.00
		A	0.00	0.00	A	20,846.34	20,846.34
Households in target area (Atjoni) contracting electricity 24/h from EBS using prepaid meters	Household	P		494.00	P	397,000.00	535,000.00
		P(a)		494.00	P(a)		75,000.00
		A	0.00	0.00	A	0.00	0.00
Component III. Critical Infrastructure.		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Upgrade EBS Substation S/S C procured and commissioned	Substation	P	1.00	1.00	P	1,310,000.00	2,300,000.00
		P(a)	1.00	1.00	P(a)	1,160,468.00	3,685,892.38
		A	0.00	0.00	A	2,734,035.23	2,734,035.23
Upgrade EBS Substation S/S D procured and commissioned	Substation	P		1.00	P	2,900,000.00	4,700,000.00
		P(a)		1.00	P(a)	2,585,697.00	3,314,107.62
		A	0.00	0.00	A	1,431,648.82	1,431,648.82

Other Cost		2015	Cost
Administration, monitoring, auditing	P	\$200,000.00	\$1,000,000.00
	P(a)	\$232,414.00	\$1,000,000.00
	A	\$140,233.00	\$162,319.00
Contingencies	P	\$150,000.00	\$1,000,000.00
	P(a)	\$150,000.00	\$1,000,000.00
	A	\$0.00	\$0.00
Total Cost		2015	Total Cost
	P	\$14,955,694.80	\$30,000,000.00
	P(a)	\$13,279,907.29	\$30,094,512.13
	A	\$9,550,196.32	\$10,347,721.21

Changes to the Matrix

Section	Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Output	Upgrade EBS Substation S/S D procured and commissioned	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	RET-based generating capacity systems procured and installed in Atjoni (kW)	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	Geographical Information System (GIS) procured and implemented	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	Geographical Information System (GIS) designed	Modify Financial P(a) value	This activity was completed during 2015. The activity has been finalized at a lower cost than what was initially budgeted.	3/14/2016	2/26/2016
Output	Integrated SCADA system procured and implemented	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	Integrated SCADA system designed	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	Households in target area (Powakka) contracting 24/h electricity from EBS using prepaid meters	Modify Physical P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/14/2016	2/26/2016
Output	Substation Powakka (S/S POW) procured and implemented	Modify Physical P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/11/2016	2/26/2016
Output	Enterprise Resource Planning (ERP) system designed and specified	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	3/11/2016	2/26/2016
Output	Upgrade EBS Substation S/S C procured and commissioned	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016
Output	Power Station Atjoni (P/S Atjoni) habilitated for hybrid power supply by EBS	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016
Output	Households in target area (Atjoni) contracting electricity 24/h from EBS using prepaid meters	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016
Output	Transmission and distribution systems in target area Powakka-Ayo-Redi Doti-Casipoera procured and installed	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016

Output	Substation Powakka (S/S POW) procured and implemented	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016
Output	Substation Paranam (S/S P) upgraded	Modify Financial P(a) value	While progressing in the procurement processes of this activity, the initial P amounts have been adjusted through the Financial P(a) values to reflect more accurate figures.	2/26/2016	2/26/2016

Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains.